CLAIMS

1.   A method for providing a mesh network using a plurality of access points, the method comprising:

coupling a first access point located in a first cell to at least a second access point located in a second cell;

providing service initially to at least one of a plurality of access devices by said at least a first access point located in said first cell; and

servicing said at least one of a plurality of access devices by said at least a second access point located in said second cell whenever a signal for said at least one of a plurality of access devices falls below a specified threshold.

2.   The method according to claim 1, wherein said at least a second cell is a neighboring cell located adjacent to said first cell.

3.   The method according to claim 2, further comprising transmitting a first signal from a first beamforming antenna coupled to said first access point, to said at least a second access point.

4.   The method according to claim 3, further comprising transmitting a second signal from a second beamforming antenna coupled to said at least a second access point, to said first access point.

5. The method according to claim 4, wherein a path for facilitating said transmitting said first signal between said first beamforming antenna and said second beamforming antenna is an uplink channel.

6. The method according to claim 5, wherein a path for facilitating said transmitting of said second signal between said second beamforming antenna and said first beamforming antenna is a downlink channel.

7. The method according to claim 6, wherein said uplink and said downlink channel is a backhaul channel.

8. The method according to claim 1, further comprising coupling said first access point located in a first cell to at least a third access point located in said first cell.

9. The method according to claim 8, further comprising servicing said at least one of a plurality of access devices by said at least a third access point located in said first cell whenever a signal for said at least one of a plurality of access devices falls below a specified threshold.

10. The method according to claim 9, wherein at least one of said first access point and said at least one of a plurality of access devices determines when said signal for said at least one of a plurality of access devices falls below a specified threshold.

11. A machine-readable storage, having stored thereon a computer program having at least one code section for facilitating communication in a mesh network using

a plurality of access points, the at least one code section being executable by a machine for causing the machine to perform the steps comprising:

coupling a first access point located in a first cell to at least a second access point located in a second cell;

providing service initially to at least one of a plurality of access devices by said at least a first access point located in said first cell; and

servicing said at least one of a plurality of access devices by said at least a second access point located in said second cell whenever a signal for said at least one of a plurality of access devices falls below a specified threshold.

12.   The machine-readable storage according to claim 11, wherein said at least a second cell is a neighboring cell located adjacent to said first cell.

13.   The machine-readable storage according to claim 12, further comprising code for transmitting a first signal from a first beamforming antenna coupled to said first access point, to said at least a second access point.

14.   The machine-readable storage according to claim 13, further comprising code for transmitting a second signal from a second beamforming antenna coupled to said at least a second access point, to said first access point.

15. The machine-readable storage according to claim 14, wherein a path for facilitating said transmitting of said first signal between said first beamforming antenna and said second beamforming antenna is an uplink channel.

16. The machine-readable storage according to claim 15, wherein a path for facilitating said transmitting of said second signal between said second beamforming antenna and said first beamforming antenna is a downlink channel.

17. The machine-readable storage according to claim 16, wherein said uplink channel and said downlink channel is a backhaul channel.

18. The machine-readable storage according to claim 11, further comprising code for connecting said first access point located in a first cell to at least a third access point located in said first cell.

19. The machine-readable storage according to claim 18, further comprising code for servicing said at least one of a plurality of access devices by said at least a third access point located in said first cell whenever a signal for said at least one of a plurality of access devices falls below a specified threshold.

20. The machine-readable storage according to claim 19, wherein at least one of said first access point and said at least one of a plurality of access devices comprises code for determining when said signal for said at least one of a plurality of access devices falls below a specified threshold.

21.   A system for providing a mesh network using a plurality of access points, the system comprising:

means for coupling a first access point located in a first cell to at least a second access point located in a second cell;

means for providing service initially to at least one of a plurality of access devices by said at least a first access point located in said first cell; and

means for servicing said at least one of a plurality of access devices by said at least a second access point located in said second cell whenever a signal for said at least one of a plurality of access devices falls below a specified threshold.

22.   The system according to claim 21, wherein said at least a second cell is a neighboring cell located adjacent to said first cell.

23.   The system according to claim 22, comprising a first beamforming antenna coupled to said first access point for transmitting a first signal from said first access point to said at least a second access point.

24.   The system according to claim 23, comprising a second beamforming antenna coupled to said at least a second access point for transmitting a second signal from said at least a second access point to said first access point.

25.   The system according to claim 24, wherein a path for facilitating said transmitting between said first beamforming antenna and said second beamforming antenna is an uplink channel.

26.   The system according to claim 25, wherein a path for facilitating said transmitting between said second beamforming antenna and said first beamforming antenna is a downlink channel.

27.   The system according to claim 26, wherein said uplink channel and said downlink channel is a backhaul channel.

28.   The system according to claim 21, further comprising coupling said first access point located in a first cell to at least a third access point located in said first cell.

29.   The system according to claim 28, further comprising servicing said at least one of a plurality of access devices by said at least a third access point located in said first cell whenever a signal for said at least one of a plurality of access devices falls below a specified threshold.

30.   The system according to claim 29, wherein at least one of said first access point and said at least one of a plurality of access devices determines when said signal for said at least one of a plurality of access devices falls below a specified threshold.